

## ABSTRACT

To provide an optical cross-connect apparatus capable of, even in the case where a light switch becomes large-sized, supervising quality and management information of light signals passing through inside the apparatus with low-cost configuration. For each of the light signals inputted from n pieces of input port, path setting in a branch connection state is performed in order following a control signal from a control section by connecting any one of n pieces of output port with a predetermined supervising port at  $n \times m$  light SW. Quality and management information are detected from light signals outputted from a supervising output port at a light signal detecting section, and the quality and the management information are supervised at a light signal supervising section.